

**=> IFW:     Scan as Doc Code: SRNT    <=  
                 Doc Date:**

## **TC 3700 Inventor Search Program**

See attached inventor searches for applications and/or patents to help resolve questions of overlapping subject matter. These searches are provided as an initial examination aid: examiners should perform updated or expanded PALM or EAST inventors searches as appropriate.

---

**Serial Number: 10824539**

**1.) See attached printout of inventors listed in  
PALM**

**2.) See attached EAST Inventor Search  
Printout shows Inventor search terms**

Day : Thursday  
Date: 1/4/2007  
Time: 16:50:19

**PALM INTRANET**

## Inventor Information for 10/824539

Inventor Name	City	State/Country
<u>TAKITA, MASANORI</u>	TOKYO	JAPAN
<u>YASHIMA, HIROSHI</u>	TOKYO	JAPAN
<u>FUJITA, MICHIAKI</u>	TOKYO	JAPAN
<u>SHIMAZU, TOMOAKI</u>	TOKYO	JAPAN
<u>HASUMI, MOTOMITSU</u>	WAKAYAMA	JAPAN
<u>NISHIMURA, HIROSHI</u>	WAKAYAMA	JAPAN

[Appln. Info](#)[Contents](#)[Petition Info](#)[Atty/Agent Info](#)[Continuity/Reexam](#)[Foreign Data](#)[Invento](#)

Search Another: Application#

 

or Patent#

 

PCT /

 /  

or PG PUBS #

 

Attorney Docket #

 

Bar Code #

 

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

US 20060281661 A1	20061214	Laundrying pretreatment composition for clothing	510/499		Ishikawa; Akira et al.
US 20060192120 A1	20060831	Charged- particle-beam mapping projection- optical systems and methods for adjusting same	250/310		Nishimura; Hiroshi et al.
US 20050272629 A1	20051208	Detergent particle	510/447		Hasumi, Motomitsu et al.
US 20050165142 A1	20050728	Polylactic acid molding and process for producing the same	524/210		Nishimura, Hiroshi et al.
US 20040251428 A1	20041216	Charged- particle-beam mapping projection- optical systems and methods for adjusting same	250/492.1		Nishimura, Hiroshi et al.
US 20040234175 A1	20041125	Bag	383/88	383/905	Takita, Masanori et al.
US 20040190863 A1	20040930	Image recording unit and camera	386/46	386/125	Nishimura, Hiroshi et al.
US 20040110477 A1	20040610	Apparatus and method for data transmission	455/127.1	455/522	Nishimura, Hiroshi et al.
US 20040025287 A1	20040212	Airflow system for bagless vacuum cleaner	15/353		McCormick, Michael J. et al.
US 20040000023 A1	20040101	Vacuum cleaner with reversible rotary agitator	15/389		Hitzelberger, J. Erik et al.
US 20030208875 A1	20031113	Vacuum cleaner	15/327.2		Ito, Koichi et al.
US 20030207475	20031106	Electron beam apparatus and	438/14		Nakasuji, Mamoru et

A1		method of manufacturing semiconductor device using the apparatus			al.
US 20030195129 A1	20031016	Laundrying pretreatment composition for clothing	510/276		Ishikawa, Akira et al.
US 20030067242 A1	20030410	Direct current commutator motor	310/239	310/242	Konishi, Tsuyoshi et al.
US 20030030696 A1	20030213	Ink jet head manufacturing method, ink jet head, ink applying apparatus, ink applying method, and organic electro luminescence display apparatus and method of manufacturing the same	347/45		Sato, Akira et al.
US 20020142496 A1	20021003	Electron beam apparatus and method of manufacturing semiconductor device using the apparatus	438/14	250/492.3	Nakasuji, Mamoru et al.
US 20020079761 A1	20020627	Rotary brush device and vacuum cleaner using the same	310/75R		Nishimura, Hiroshi et al.
US 20020070626 A1	20020613	Direct current commutator motor	310/233		Konishi, Tsuyoshi et al.
US 20020057015 A1	20020516	Electric power steering controller	307/10.1		Kikuta, Kazuo et al.
US 20020047677	20020425	Electric power steering	318/430		Nishimura, Hiroshi et al.

A1		apparatus			
US 20020005484 A1	20020117	Apparatus and method for defect detection using charged particle beam	250/310	250/307	Nishimura, Hiroshi
US 20010052480 A1	20011220	Paper container	206/736	206/216; 206/449	Kawaguchi, Yuji et al.
US D528010 S	20060912	Packaging bag	D9/702		Yashima; Hiroshi et al.
US 7066321 B2	20060627	Paper container	206/77.1	206/499; 206/524.1; 206/525; 229/122; 229/122.32; 229/224	Kawaguchi; Yuji et al.
US 7064339 B2	20060620	Charged- particle-beam mapping projection- optical systems and methods for adjusting same	250/492.1	250/491.1	Nishimura; Hiroshi et al.
US 6767078 B2	20040727	Ink jet head having a nozzle plate	347/45		Sato; Akira et al.
US 6765217 B1	20040720	Charged- particle-beam mapping projection- optical systems and methods for adjusting same	250/491.1	250/492.2	Nishimura; Hiroshi et al.
US 6734914 B1	20040511	Image recording unit and camera permitting 360.degree. rotation	348/375	348/207.99; 348/340; 359/814	Nishimura; Hiroshi et al.
US 6700289 B2	20040302	Direct current commutator motor	310/220	310/229; 310/251; 310/252	Konishi; Tsuyoshi et al.
US 6653631 B2	20031125	Apparatus and method for defect detection using charged	250/310	250/306; 250/307	Nishimura; Hiroshi

		particle beam			
US 6608308 B1	20030819	Electrostatic lens systems for secondary-electron mapping-projection apparatus, and mapping-projection apparatus and methods comprising same	250/311	250/306; 250/307; 430/296	Takagi; Toru et al.
US 6602846 B1	20030805	Method for producing single nucleus detergent particles	510/444	510/349; 510/438; 510/441	Kubota; Teruo et al.
US 6593152 B2	20030715	Electron beam apparatus and method of manufacturing semiconductor device using the apparatus	438/14	250/310; 250/492.3	Nakasuji; Mamoru et al.
US 6583594 B2	20030624	Electric power steering apparatus	318/466	318/432; 318/434	Nishimura; Hiroshi et al.
US 6577024 B2	20030610	Electric power steering controller	307/10.1	318/293	Kikuta; Kazuo et al.
US 6497303 B1	20021224	Electric power steering system	180/446	180/443	Nishimura; Hiroshi et al.
US 6437465 B1	20020820	Rotary brush device and vacuum cleaner using the same	310/47	15/412; 15/52.1; 310/50	Nishimura; Hiroshi et al.
US 6402847 B1	20020611	Dry processing apparatus and dry processing method	118/715	118/723R	Takagi; Shigeyuki et al.
US 6400048 B1	20020604	Rotary brush device and vacuum cleaner using the same	310/47	15/377; 15/412; 15/413; 15/416;	Nishimura; Hiroshi et al.

				15/52.1; 310/242; 310/50; 310/67R; 310/83; 310/99	
US 6380706 B1	20020430	Electric power steering device	318/434	318/438; 318/606; 318/798; 318/800; 318/805; 318/812	Kifuku; Takayuki et al.
US 6367982 B1	20020409	Cylindrical roller bearing	384/565	384/463; 384/553	Doi; Katsuo et al.
US 6365897 B1	20020402	Electron beam type inspection device and method of making same	250/310		Hamashima; Muneki et al.
US 6323570 B1	20011127	Rotary brush device and vacuum cleaner using the same	310/67R	15/392; 15/412; 15/413; 310/47; 310/50; 310/90	Nishimura; Hiroshi et al.
US 6320292 B1	20011120	Electric motor assembly	310/91	310/89; 310/90	Tateishi; Shiro et al.
US 6193416 B1	20010227	Gusseted bag	383/104	383/120; 383/906	Kawamata; Shigeyuki et al.
US 6109744 A	20000829	Asymmetric restrictor for ink jet printhead	347/92		Nishimura; Hiroshi
US 6109484 A	20000829	Dropping container	222/390	222/386; 222/518; 433/90; 604/311	Sueoka; Eizo et al.
US 6070711 A	20000606	Conveyor chain having a roller housing cylindrical rollers therein	198/779	198/712; 198/838; 198/845; 384/565	Murano; Tetsuya et al.
US 6049930 A	20000418	Washing machine and method of controlling the	8/159	68/12.02; 68/12.14; 68/23.7	Hisano; Koji et al.

		same			
US 6049903 A	20000411	Digital data error detection and correction system	714/752	714/758; 714/798	Nishimura; Hiroshi
US 6032756 A	20000307	Motor-driven power steering system for motor vehicle	180/446	180/443	Nishimura; Hiroshi et al.
US 5855127 A	19990105	Balancer for dehydration tub for use in washing machine or the like	68/23.2	74/572.4	Kohara; Hisayoshi et al.
US 5852328 A	19981222	Semiconductor device and method of manufacturing the same	257/774	257/740; 257/763; 257/E23.145; 257/E23.159	Nishimura; Hiroshi et al.
US 5823686 A	19981020	Chain with oilless antifriction bearing	384/492	384/463	Murano; Tetsuya et al.
US 5815335 A	19980929	Recording and reproducing apparatus with mechanical adjustment data stored in memory on mechanical mechanism assembly	360/69	360/137	Nishimura; Hiroshi et al.
US 5805347 A	19980908	Variable-magnification telecentric optical system	359/663	359/679; 359/690	Mizutani; Hideo et al.
US 5804879 A	19980908	Aluminum scandium alloy interconnection	257/765	257/771; 257/E21.582; 257/E23.159	Ogawa; Shinichi et al.
US 5795651 A	19980818	Filament having plexifilamentary structure, nonwoven fabric comprising said	428/364	428/357	Matsuoka; Fumio et al.



		filament and their production			
US 5786284 A	19980728	Filament having plexifilamentary structure, nonwoven fabric comprising said filament and their production	442/334	442/361; 442/401; 442/415	Matsuoka; Fumio et al.
US 5781010 A	19980714	Method and apparatus for MR imaging without a flashing phenomenon of an object having periodical motion	324/309	324/306; 600/413	Kawasaki; Shinji et al.
US 5778703 A	19980714	Washing machine with improved drive structure for rotatable tub and agitator	68/12.02	68/23.7	Imai; Masahiro et al.
US 5771676 A	19980630	Pivot angle limiting stopper striking noise suppressing device of cable drag chain	59/78.1	248/49; 59/900	Komiya; Shoichiro et al.
US 5759868 A	19980602	Aluminum interconnection	438/660	204/192.17; 257/E21.582; 257/E23.16; 427/61; 427/96.8; 427/97.2; 438/658; 438/688; 438/927	Ogawa; Shinichi et al.
US 5737944 A	19980414	Washing machine with improved drive structure for rotatable tub and agitator	68/23.7	68/208	Nishimura; Hiroshi et al.
US 5647551	19970715	Tape cassette	242/345	242/586.2;	Ikeda;

A		having reduced drop-out error by selected sizing of gaps between a clamper and an engagement cavity in the hub		360/132	Tatehiko et al.
US 5637716 A	19970610	Processes for the preparation of hydroquinone and benzoquinone derivatives	546/301	546/340; 546/343	Komatsu; Yuuki et al.
US 5617026 A	19970401	Quiet magnetic resonance imaging apparatus	324/318	324/322	Yoshino; Hitoshi et al.
US 5601233 A	19970211	Container	229/216	229/125.42; 229/242	Kageyama; Isao et al.
US 5586455 A	19961224	Float-type clutch for automatic washing machine	68/12.02	68/23.7	Imai; Tooru et al.
US 5544653 A	19960813	Magnetic resonance imaging method and apparatus	600/410	324/309	Takahashi; Tetsuhiko et al.
US 5541829 A	19960730	Power source device	363/34	363/37	Maehara; Minorua et al.
US 5502384 A	19960326	Image reconstruction method in nuclear magnetic resonance imaging apparatus	324/309	324/307	Nakaya; Chitose et al.
US 5491386 A	19960213	Stable high frequency high-pressure discharge lamp lighting device avoiding	315/209R	315/224; 315/307; 315/DIG.5	Eriguchi; Hiroyasu et al.

		acoustic resonance			
US 5469027 A	19951121	Device for operating a high pressure gas discharge lamp	315/224	315/247; 315/291; 315/307; 315/DIG.7	Uchihashi; Kiyoaki et al.
US 5427711 A	19950627	Synthesized inorganic ion exchange material and detergent composition containing the same	510/376	423/331; 423/593.1; 423/594.14; 510/306; 510/313; 510/317; 510/320; 510/348; 510/374; 510/511; 510/531	Sakaguchi; Mikio et al.
US 5397610 A	19950314	Plastic molding having luster and method of molding the same	428/35.7	428/107; 428/174; 428/175; 428/323; 428/327; 428/332; 428/338; 428/364; 428/372; 428/397; 428/401; 428/480; 428/483; 428/913; 524/513; 525/165; 525/177; 525/935	Odajima; Shingo et al.
US 5327012 A	19940705	Semiconductor device having a double-layer interconnection structure	257/758	257/760; 257/E23.145; 257/E23.167	Yano; Kohsaku et al.
US 5281641 A	19940125	Dental or surgical adhesive filler	524/183	523/116; 523/118; 525/251	Nishimura; Hiroshi et al.
US 5249331 A	19931005	Vacuum cleaner floor nozzle having an	15/363	15/375; 15/42	Mitani; Tomomi et al.

		auxiliary agitator			
US 5220779 A	19930622	Cable drag chain having internal partitioning	59/78.1	248/49; 59/900	Tatsuta; Kiyotake et al.
US 5215338 A	19930601	Flexible supporting sheath for cables and the like	285/154.2	138/120; 285/184; 285/264; 285/921; 403/114	Kimura; Akira et al.
US 5198884 A	19930330	Semiconductor devices having a double-layer interconnection structure	257/760	257/633; 257/641; 257/E23.145; 257/E23.167	Yano; Kohsaku et al.
US 5197767 A	19930330	Flexible supporting sheath for cables and the like	285/39	138/120; 285/146.1; 285/421; 285/912; 403/114; 403/19; 403/344	Kimura; Akira et al.
US 5184075 A	19930202	Method and apparatus for compensating for nonuniformity of static magnetic field in MRI system	324/309	324/320	Nishimura; Hiroshi
US 5171435 A	19921215	Dehydrator tub for clothes washing with controlled variable rotational speeds	34/58	210/145; 210/360.1; 34/593; 68/12.14; 68/23.1	Nishimura; Hiroshi et al.
US 5168598 A	19921208	Upright vacuum cleaner	15/323	15/351; D32/22	Hashizume; Kiyoshi et al.
US 5113865 A	19920519	Method and apparatus for correction of phase distortion in MR imaging system	600/410	324/307; 324/309; 600/419	Maeda; Akira et al.
US 5081672	19920114	Automatic	379/68	379/70;	Mita;

A.		telephone answering apparatus		379/73; 379/76; 379/88.23	Satoshi et al.
US 5069486 A	19911203	Flexible supporting sheath for cables and the like	285/154.2	138/120; 285/223; 285/264	Kimura; Akira et al.
US 5046764 A	19910910	Flexible supporting sheath for cables and the like	285/154.2	138/120; 285/184; 285/223; 285/261; 403/56	Kimura; Akira et al.
US 5018888 A	19910528	Paper tension adjusting device and method for a printer	400/616.1	226/20; 226/74; 400/616.2	Nishimura; Hiroshi et al.
US D316144 S	19910409	Refractometer	D24/172		Nishimura; Hiroshi
US 5003263 A	19910326	Image reconstruction method for a magnetic resonance imaging device and a device for realizing same	324/309	324/307	Kasama; Takashi et al.
US 5003152 A	19910326	Microwave transforming method and plasma processing	219/121.59	118/723R; 156/345.42; 204/298.23; 216/70; 219/121.4; 219/121.43; 219/750	Matsuo; Seitaro et al.
US 4979111 A	19901218	CT image processor using data expansion for reducing structural noise in rearrangement	378/14		Nishimura; Hiroshi
US 4950468 A	19900821	Hair treating composition	424/70.12	424/47; 424/70.28	Nakamura; Takanari et al.
US 4937562 A	19900626	Moisture-proof ionization smoke detector	340/693.6	340/628	Kaminaka; Yoshinori et al.

US 4933781 A	19900612	Recording method and a recording and/or reproducing apparatus	360/18	360/27; 360/74.1	Nishimura; Hiroshi et al.
US 4914425 A	19900403	Highly sensitive smoke detector	340/693.6	340/628	Kaminaka; Yoshinori et al.
US 4910081 A	19900320	Thermal transfer recording ink and film	428/327	428/337; 523/161; 524/277; 524/502; 524/508; 524/509; 524/513; 524/514; 524/537; 524/538; 524/539; 524/540; 525/176; 525/177; 525/190; 525/444	Yamaguchi; Shinichiro et al.
US D305887 S	19900206	Optically stored data card	D14/436		Nishimura; Hiroshi
US 4883529 A	19891128	Circular tube shaping apparatus	65/281	65/108; 65/110; 65/276; 65/280; 65/54	Nishimura; Hiroshi et al.
US 4854006 A	19890808	Floor nozzle for vacuum cleaner	15/375	15/42; 15/421	Nishimura; Hiroshi et al.
US 4789929 A	19881206	CT system for spirally scanning subject on a movable bed synchronized to X-ray tube revolution	378/15	378/20; 382/131	Nishimura; Hiroshi et al.
US 4789833 A	19881206	Method for correcting position deviation due to static magnetic	324/320	324/309	Nishimura; Hiroshi

		field change in NMR imaging device			
US D297645 S	19880913	Retinal camera	D16/130		Nishimura; Hiroshi
US 4769757 A	19880906	Improved CT scanner having distortion-free image	378/15	378/901	Horiba; Isao et al.
US 4739801 A	19880426	Flexible supporting sheath for cables and the like	138/120	174/68.2; 285/261; 285/404; 285/921	Kimura; Akira et al.
US 4704963 A	19871110	Device for cleaning a type-carrier	101/425	101/423; 101/93.13; 15/246.2; 15/256.5; 15/88.3; 400/146; 400/702.1	Nishimura; Hiroshi et al.
US 4323607 A	19820406	Heat shrinkable covers	219/213	156/84; 156/86; 174/DIG.8; 264/DIG.71; 285/909; 439/932	Nishimura; Hiroshi et al.
US 4252849 A	19810224	Heat shrinkable covers	428/192	138/110; 138/156; 138/178; 219/201; 219/522; 219/535; 428/516; 428/913	Nishimura; Hiroshi et al.
US 4135045 A	19790116	Process for polymerization of olefins and catalyst composition therefor	526/114	502/105; 502/121; 502/123; 526/128; 526/139; 526/141; 526/142; 526/158; 526/159; 526/351	Matsuzawa; Norio et al.
US 4048415 A	19770913	Process for polymerization	526/119	502/105; 502/121;	Matsuzawa; Norio et al.

		of olefins and catalyst composition therefor		502/123; 502/125; 502/126; 502/127; 526/124.1; 526/128; 526/139; 526/141; 526/142; 526/143; 526/159; 526/348.4; 526/351; 526/906	
US 3912969 A	19751014	Discharge lamp lighting apparatus	315/278	315/239; 315/254; 315/289; 315/DIG.5	Nakai; Kenichi et al.
US 3903452 A	19750902	Flickerless discharge lamp lighting apparatus	315/201	315/161; 315/205; 315/227R; 315/246; 315/276; 315/362; 315/DIG.5	Nakai; Kenichi et al.
US 3835903 A	19740917	APPARATUS FOR WARMING COOLING AND/OR LUBRICATING MEDIA OF INTERNAL COMBUSTION ENGINES	123/142.5R		Masaki; Kenji et al.